

CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 27-NOV-11	F.R. # 1001870373		SERV. SUPV. RYAN SULLIVAN									
LEASE & WELL NAME HOOD #6-2-20 - API 05123332520000		LOCATION 17-6N-66W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 22		TYPE OF JOB Long String										
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS		MD	TVD	HANGER TYPES MD TVD								
Cement Plug, Rubber, Top 4-1/2 in	Centralizer, with Pins, 4-1/2 in													
	Cement Basket, Slip On, 4-1/2 in													
	Float Shoe 4-1/2 - 8rd													
	Float Collar, 4-1/2 - 8rd													
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES											
			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER					
ClayCare Water			0	8.34	0	0	00:00	20						
50:50 Poz+.3%CD32+.4%FL52+.1%SMS+20%SF			290	14.6	1.38	5.90	02:30	71.3	40.75					
ClayCare Water			0	8.34	0	0	00:00	120.5						
Mud Clean II			0	8.5	0	0	00:00	20						
ClayCare Water			0	8.34	0	0	00:00	20						
PL+.6%SMS+8#/skCSE2			320	11	3.22	19.86	03:30	183.5	151.48					
Available Mix Water 300 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL		435.3		192.23						
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
7.875	0	7773	4	4.5	11.6	CSG	7770	7770	N-80	7770	7756	0		
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID				
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.1	8.63	24	CSG	580	580	No packer		0	0	0	4.5	8RD	WATER BASED	9.4
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER			
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator				
120.5	BBLS	ClayCare Water	8.34	1168	0	0	0	0	6224	3000	Rig			
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1		Circulation Rate: 6 BPM						
Mud Density In: 9.4 LBS/GAL Mud Density Out: 9.4 LBS/GAL						PV & YP Mud In: 12		PV & YP Mud Out: 12						
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:						Solids Present at End of Circulation:		NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>						
Displacement And Mud Removal														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 1.1 BBLS								
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: Visually								
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 30		Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID						
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD														
Plugs														
Number of Attempts by BJ: 0						Competition: 0		Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:				
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Top of Plug: 0 FT		Bottom of Plug: 0 FT						
Squeezes (Update Original Treatment Report for Primary Job)														
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>						
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL								
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None														

CEMENT JOB REPORT



Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI With 0 LBS/GAL Mud Time Held: 00 Hours 00 Minutes

Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL

Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
None

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

PRESSURE/RATE DETAIL

EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>
	PIPE	ANNULUS				
						TEST LINES 4370 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
16:08	0	0	0	0	N/A	Arrive on location, 42 miles. Casing done, rig circulating.
16:10	0	0	0	0	N/A	Spot trucks, pre-rig up safety meeting
17:05	0	0	0	0	N/A	Pre-job safety meeting
17:31	1780	0	0	0	WATER	Low pressure test
17:33	4370	0	0	0	WATER	High pressure test
17:35	370	0	7.1	20	CLAYCARI	Claycare water
17:39	457	0	7.1	20	MUD CLEA	Mud clean II
17:43	485	0	7.1	20	CLAYCARI	Claycare water
17:47	238	0	7.3	182	CEMENT	Batch-up, weigh, & pump 320 sx of PLC + 4% Bentonite + 0.6% SMS + 8 lbs/sk CSE-2 @ 11 ppg
18:16	204	0	5	69	CEMENT	Mix, weigh, & pump 290 sx of (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SMS + 20% Silica Flour @ 14.6 ppg
18:32	0	0	0	0	N/A	Drop plug & wash-up pumps & lines
18:39	135	0	7.2	50	CLAYCARI	Displace
18:47	38	0	4.8	25	CLAYCARI	Rate change
18:53	149	0	4.8	35	CLAYCARI	Caught cement
19:00	1082	0	3.6	5	CLAYCARI	Rate change
19:02	1074	0	2.4	5.5	CLAYCARI	Rate change
19:04	1224	0	2.4	120.5	CLAYCARI	Bump plug to 2486 psi
19:10	0	0	0	0	N/A	Pre-rig down safety meeting

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1224	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	431.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	